AN 05 1830 4

Ligate & Electroporate z-4Kb + >4Kb cDNA

Purpose: Malle sure the larger sized fractions
are okay & determine their sizes.

Ligation

tube vector insert 40 5 military

pedamination

pedamination

pedamination

pedamination

compared period

pedamination

pedaminatio

15°C overnight

[X099] contid

CREATION OF EXPRESSION LIBRARY POOLS

JAN 0 5 1998

Prepare bacteria

1) Streak out MC1061/P3 onto LB/Kanamycin (15 µg/ml) plate

Prepare reagents and everything else

Make LB/Amp (15 μg/ml)/Tet (8 μg/ml) plates (15 cm). Make 1 liter total.

3) Sterilize:
eppendorfs (1/electroporation)
ddH20 (500 ml)
10% glycerol (500 ml)
pasteur pipets (long ones)
1 M MgCl2

1 M MgSO4 1 M glucose

4) Put in cold room:
all the above sterilized stuff except medium stuff
electroporation cuvettes (0.2 cm gap)
pipet tips (yellows/blues?)
also sign up centrifuges

DATE:

Bacteria

8) Start overnight cultures of MC1061/P3 from A. Pearsons plate of MC1061/P3 from Lodich la Pick at least 2 colonies into 3 mls each of LB+ Kananycin (15/13/ml)
Also streak each onto half a plate of LB/Amp/Tet (only undesirable revertents should grow)

DATE:

_			
Get	bacteria ready for electroporation		_ <
9)	Full 3 mil of starter culture into 250 ml I P Alexander (1)	time	0. D. 400
	Grow until 0.5 - 0.7 O.D.	7:25	-
_		10:00	0.370
Cle	an up ligation	10:20	0.497
10)	Add TE pH 8.0 to 50 ul	10:35	0.600 = onice
11)	Add 50 µl Phenol/Chloroform/recombinates to 1	,,,,	
	YOUGH SOUL AND TECOVER for agreement laster	•	
12)	Add 50 µl TE pH 8.0 to organic layer to backextract		
	Vortex. Spin and recover top agree 10 backextract		
13)	Vortex, Spin and recover top aqueous layer and add to previous aq. layer	total = 1	00ul)
	7 1 9µl 1X LPA /	` -	~~ / ~/
	10µI 3M NaOAc /		•
250	µ 100% ethanol		
14)	Put at -80°C 30 min 8:30 rinse 1/707. Et OH		

15) Spin down at 4°C, remove supe and air dry (don't dry completely) the duid
16) Just before ready to uso, resuspend in oul TE (sterile) yeep on ite.

Use zul/electroporation Freeze rest in cDVA box-20°C.

Next time vesuspend in 50 pl? or

Get bacteria ready for electroporation (everything on ice!) Put culture into ice water to chill 15 min (swirl occasionally) 10:35-10:50 18) 19)

Spin down in 1 disposable conical tube, 4°C, 15 min, 4000 rpm (2600 xg), 10:55-11:10 Decant most but not all liquid (leave equal volume liquid as in pellet). Add 5 ml sterile water and resuspend gently with pipet. 20)

Add 250 ml ice-cold ddH20 (sterile), spin 15 min, 4°C, 4000 rpm 21)

Repeat steps 19-20 but spin 20 min.

22) Pour off as much supe as possible (you'll lose some bugs), add 10% glycerol to 12 mls, gently resuspend cells and spin 8,000 rpm 30 min 4°C in SS-34 (in Falcon 2059 tube)

Pour off supe getting rid of almost all liquid (you'll lose some cells). You want it thick Resuspend in 160 μl 10% glycerol (you want it thick) Used 200μl, had 100μl left over

During spin periods set up for electroporation 24) Make SOC from SOB

25) Put electroporator chamber on ice

don tadd any riquit at all y should get only 3 electrofisome Connect pulse controller to gene pulser (connect in front the red to red and black to black) The cuvette holder should then be connected to the pulse controller.

Set to: 200 ohms 25 μF 2.5 kV

28) Get everything else ready (Falcon 2059 with 1 ml SOC each, pasteurs, tips, etc)

Electroporation

Always do controls: water only (neg. control) and uncut vector (positive control)

Swirl bacteria with sterile yellow tip. Pipet up 40 µl bacteria to tube #1 on ice. Pipet up and down avoiding generation of bubbles. Let sit 30 sec on ice.

31) With fresh tip take up bacteria and put into cuvette as close to bottom as possible without creating bubbles. Quickly shake hard down to bottom (v. important).

Take off cap, put in electroporator chamber, pulse

33) Quickly remove cuvette and add 1 ml SOC. Resuspend with pasteur pipet and transfer to 15 ml round bottom and incubate shaking at 37°C, 60 min. 1pm-2pm

Repeat steps - for each electroporation. Put LB/Amp/Tet plates into hood to dry.

36) Plate out 50 - 100 μl/plate to test for electroporation efficiency.

Use 1:100 of positive control 1:5 of ligation mix

undiluted neg. control

Grow overnight 37°C. Store electroporated bacterial cultures at 4°C up to one week. Count colonies.

37)

electro #2 PCDNAI+ Z-4Kb 24nl/plate => 42 plates = 210,000 clones #3 38 ml/plate => 26 plates - 130,000 dones [X099] cont'd

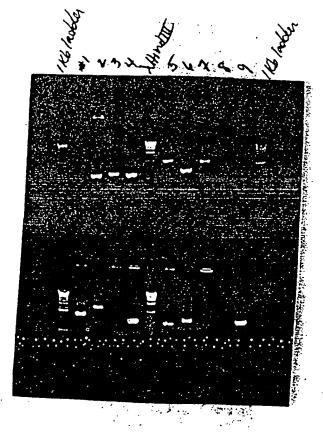
PCR of colonies to check cDNA sizes

19 nl 10x PCR buffer 47.5 nl T7 primer 47.5 nl SPle primer 0.95 nl Tag polymerase 1.52 mix of dNTPs (each) 73.5 nl H20 190 nl Hotal

3 ml dATP 3 ml dCTP 3 ml dTTP 3 ml dGTP

13 ul dNTPs (Freeze in PCP Love - 20°C)

Aliquot 15nl PCR oil/tube Aliquot 10nl above stock solin/tube Flame straight needle, poke colony, then into PCR tube PCR 94°C 30 sec -> 50°C 30 sec -> 72°C Zmin x35 cycle Add Inl 10x blue juice Load 6nl/lane onto 0.9% Seaken 6T6 agarse minigel



Colony 512 minner

2 0.7
2 0.7
3 0.8
4 0.7
5 2.0 avg size = 1.6
6 1.0
7 1.9 med size = 1.9
8 - 2.1
12 2.4
12 - 0.8
13 0.9
14 0.8 avg · size = 1.4
15 1.0
16 - 3.0 med size = 0.95
18 0.9

2-4Kb

4166

X099 contid

Mini-pups of clones that did not PCR

Method: Maniatis

Changes: Ospun twice to get rid of white particulate moder after adding solnIII

Therel/Sevay extracted

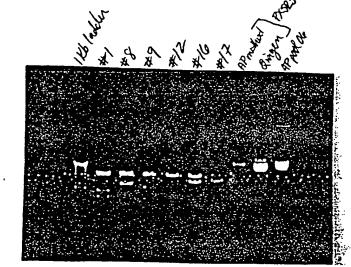
3 Resuspended in 25 pl TE pH8

Fraction Colonies 2-4Kb >4Kb /12

NEBZ 10X 200 popul 10X buffer ALBSA ENASE 7 rd + 7 rd + 0.1 rd No+I+ HindI 50:50 mix

2nl + 8nl above rxn mix

37°C 2 hrs (3:45-5:45)



colony	डांस_
#1	1.1+1.4=2.5
8	2.1
9	1.0+1.8=2.8
12	0.8
16	3.0
17	_

PXSR3 (Juleach) -Not syne if state of DUA is afterent or loading

Plasmid midiprep for cDNA library

preps: B46-B53

Day 1

Scrape 150 mm plate with 5 mls LB. Transfer to Falcon 2059 15 ml tube on ice. 1.

Add another 3 mls LB to plate and scrape again.

Take 400 μl, put into freezer vial, add 100 μl glycerol and freeze at -150C. 4.

Spin rest in SS-34, 9000 rpm, 2 min 4C.

5. Dry pellet as much as possible.

Resuspend pellet in 500 µl ice cold solution I by vigorous vortexing. 6.

Add 1 ml fresh solution II (0.2 N NaOH, 1% SDS) 7.

for 100 ml: 1 ml 2 N NaOH 0.5 ml 20% SDS 8.5 mls ddH20

Swirl gently until clear. Do not vortex. Leave on ice 10 min.

Add750 µl solution III (ice-cold). Close tubeand mix contents by shaking vigorously several times. Store 8. on ice 5'. A flocculent white precipitate should form.

Centrifuge 15', 4°C, 9000 rpm.

10. Recover supe and add equal volume of phenol:chloroform. Mix by vortexing.

11. Spin 9000 rpm, 5'.

12. Add 2 volumes, ethanol r.t., vortex, let stand 5'. Spin in SS-34 rotor for 15' 9,000 rpm.

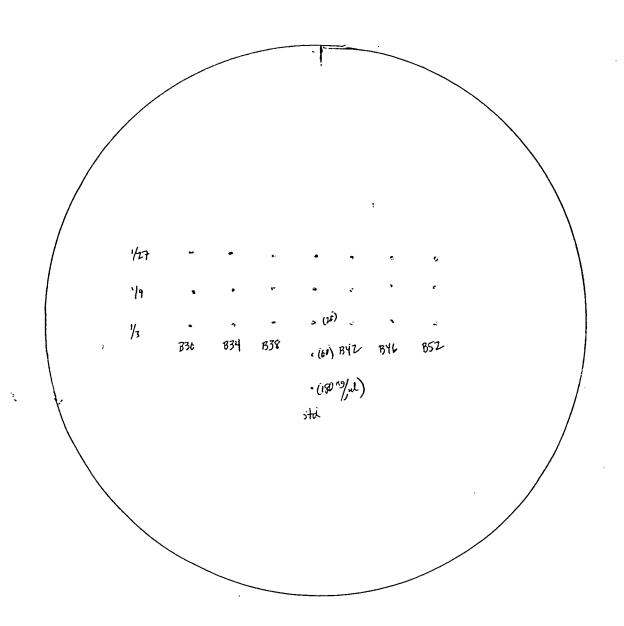
13. Carefully aspirate off all liquid (want it dry) and rinse once in cold 70% EtOH. Aspirate again getting any extraneous drops. Airdry 10' minutes.

14. Redissolve in 100 μl TE plus DNAse-free RNAse (20 μg/ml). Vortex briefly. Incubate 37C, 30'. Transfer to sterile eppendorf.

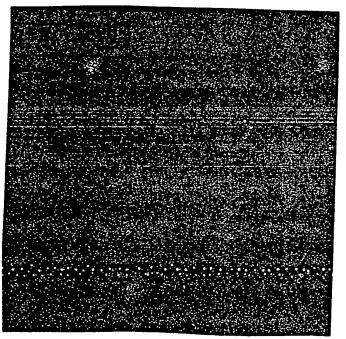
15. Quantitate by dilutions onto EtBr plate.

Store at 4°C O.N. Incubate 37°C 2/2 hrs

Freize



Note: photograph is mirror image of schematic above



Shight variation in preps. I think sulftransfection will be good for all.

Screen DNA pools Bb3-B76, redo B47

DEAE dextran transfections of COS M6 cells

materials: 35 mm dishes.

- DMEM with 10% FBS:
- Chloroquine (40 mM in CMF PBS, sterile filtered) 3.
- 5. **CMF PBS**
- 6. DEAE-dextran (10 mg/ml in CMF PBS (autoclaved))
- 7. **DMSO**
- 8. **cPBS**
- 9. sterile tips

method:

day 0 (set up cells)

Set COS M6 cells in 35 mm dishes at 300,000 cells/dish in 2 ml DMEM with 10% FBS

day 1 (transfect)

1. In sterile eppendorfs prepare for each dish add (in order):

a) DNA - 500 ng/dish

- b) add CMF PBS to 190 μl, vortex
- c) 10 µl of 10 mg/ml DEAE-dextran, vortex well (7 seconds)

		•		VOLUME WILL	(7 SCCORUS)				
	tube # plates	DNA				CMF PBS	10 mg/ml DEAE-dextran	ssitiva	mark
	1	COWA pool	B63 B64		10 ml	180 pl	DEAE-dextran-r	1.	7
	3		B65		 		7	4	4
	44		B66					į	Ĺ
i.	3 6		B67					7	$\mathcal{O}_{\mathcal{I}}$
-	7		B68 B69					ō) ,
_	8		B70					Q	4
-	9 10		B71					<u>2</u>	3,
_			B72 B73				.(Š	7
_	(12)		B 74					4	Ó
-	13 14.		B 75				/	2	4
_		•	B76 B47- redo	fra vete	1			2	5
_	16		B47 - redo	from XII	1			7	4
_	17 18	pcDNAI			0.39			之 7	2
	^0	1:5000	· · · · · · · · · · · · · · · · · · ·	•	9.2 pl			96	\$
	2. Rinse cells v	with 2 mla CN	IE DDG (GGG					•	U

2. Rinse cells with 2 mls CMF PBS (37C). Aspirate PBS.

3. Add transfection cocktail from step 1 and distribute evenly. Incubate 30 minutes, distributing liquid 9:50 - 10:20

4. Add 2 ml DMEM 10% FBS + 80 μM chloroquine and incubate 37C 2.5 hrs. 10:20-12:50

5. Aspirate off medium and replace with 1 ml 10% DMSO in DMEM 10% FBS for 2.5 min.

6. Aspirate off and wash once with 2 mls cPBS.

7. Refeed with 2 ml warm DMEM 10% FBS/dish. Incubate overnight.

Day 2

Refeed cells with 2 ml DMEM 10% FBS + 1 mM Nabutyrate pH 7.3.

Refeed cells with 0.75 ml DMEM 10% FBS + 1 mM Nabutyrate pH 7.3 + 3 μ g/ml DiI-AcLDL for 5 hrs.

14.25 ml DMEM 10% + 14.25 pl 14 Nobret + 158 pl Di IALLD L pup #48 (0.27 mg/ml)

		! "	
plate	DNA	positives	maybes
(1)	B47 pool	7 (10)	5+(6)
<u>Z</u>	B48	3	4
3	Bya	7	
4	1350	2	
5	<u>B51</u>	0	
6	B57 B5Z	7	
7	B53	2	7
- 8	B54	2	
9.	B55	0	
	B56		
	857	2 2	
12	B58	3	3
13	B59		- 3
14	B60	3	
(15)	R61	6 (4)	2(3)
16	B62		2
17	OCDNAI		<u>2</u>
	1:5000	430	

Positives are scored if allo are punctate parentheses are recounts

1 X120

Create subpools of 15 colonies of B47,1.8

Purpose: Reduce pool size to approx 15 colonies to narrow the search for the MACZLE-1 receptor.

Transform competent MCiOle/P3 (Q.G. purpledot)
usual procedure but didn't incubate on
ice 30', just heat-shocked 37° 5' right away.
Still worked

Plated 5ml-count 930 (B47.1.8).
4 (no DNA)

Took 3.2 nl transformed busp + 1.9 mls LB plated 50 nl/plate

,	<u> </u>	ounted .1.8.1 - .2 - .3 - .4 - .5 -	platis comes 19 15 19 23 15	.19 25 .20 - 14 .21 - 19 .22 - 16 .23 - 23 .24 - 23
57 24 pools Jo 452 Hate 18.8	all 26 pals 717 19,9	7891012345678	13715387261675	 3567367870936393633956

Plasmid midiprep for cDNA library

preps:

B47.1.8.1 - B47.1.8.24

Day 1

Scrape 100 mm plate with 2 mls LB. Transfer to Falcon 2059 15 ml tube on ice. 1. 2.

Add another 2 mls LB to plate and scrape again.

3. Spin in SS-34, 9000 rpm, 2 min 4C.

5. Dry pellet as much as possible.

Resuspend pellet in 300 µl ice cold solution I by vigorous vortexing.

Add 0.6 ml fresh solution II (0.2 N NaOH, 1% SDS)

for 100 ml: 1 ml 2 N NaOH 0.5 ml 20% SDS

8.5 mls ddH20 Swirl gently until clear. Do not vortex. Leave on ice 10 min.

Add 450 µl solution III (ice-cold). Close tubeand mix contents by shaking vigorously several times. 8. Store on ice 5'. A flocculent white precipitate should form.

Centrifuge 15', 4°C, 9000 rpm.

10. Recover supe and add equal volume (1.2 ml) of phenol:chloroform. Mix by vortexing.

11. Spin 9000 rpm, 5'.

12. Add 2 volumes (2.5) ethanol r.t., vortex, let stand 8. overnight (1-14) or 6 hrs (17-24) Spin in SS-34 rotor for 15' 9,000 rpm.

13. Carefully aspirate off all liquid (want it dry) and rinse once in cold 70% EtOH. Aspirate again getting any extraneous drops. Airdry 10' minutes.

14. Redissolve in **5**0 μl TE plus DNAse-free RNAse (20 μg/ml). Vortex briefly. Incubate 37C, 2 hr. Transfer to sterile eppendorf.

15. Quantitate by dilutions onto EtBr plate.

[XIZI] Screen subpools B47.1.8.1-B47.1.8.24; Compare CD36 with B47.1.8 DEAE dextran transfections of COS M6 cells

method:

uay 0 (set up cells)

Set COS M6 cells in 35 mm dishes at 300,000 cells/dish in 2 ml DMEM with 10% FBS

day 1 (transfect)

1. In sterile eppendorfs prepare for each dish add (in order):

a) DNA - 500 ng/dish

b) add CMF PBS to 190 µl, vortex

c) 10 µl of 10 mg/ml DEAE-dextran, vortex well (7 seconds)

tube # plates				CMF PBS	10 mg/ml DEAE-dextrai	lesults
tube # plates 1 847.1	8.1		10µl	180 W	10ml	
2	2		1			
3	3					_
(4)	4					- †
	5.					_ ?
6	6					_
7	7					-
8	8' 9					
9						
10	<u> 10</u> 11					
11 12	12					
13	13					
14	14					- 」
15	15					
16	16					
17	17					
18 (19)	18					
	19				<u>i</u>	_+
<u>20</u>	<i>H</i>					
21	21				 	
22	22					
23 (24)	23				\	- 7
(24)	24		1.5 ul	570 nl	30ml	- u buicht
	[(PX8R3)		1.5 μλ	37011	- syn	v. bright nothing.
26 27	},	- polyI m 85A	X		$\longrightarrow \longleftarrow$	V. might
28	/ <u> </u>	m 69H	1541	525ml	30wl	- I louisted
28	<u>~</u>	DALL T	- ISM		- Jym	· v. myld_
30	-\ /	poly I m B SA	X			- anothing
31 847	1.8	- 11.57.47	30 ul	540 ml	Fluid	- v. bright mothing pos. cells pos. cells nothing?
32	''	OPLYT	34.2X			bos. alla
33		ooly I mosa				nothing:
34 pcb	NAI		0.3 ul	190 ul	10 ml	-
34 pc.D.						<u>-</u>

Pool # 4 was brightest & "more positive cells.

CD36 binds acetylated (Di & is not inhibited by poly I but is inhibited by small amounts of m-BSA; CD36 has same properties as MAC 26-1 receptor!

XIZII contid

2. Rinse cells with 2 mls CMF PBS (37C). Aspirate PBS.

- 3. Add transfection cocktail from step 1 and distribute evenly. Incubate 30 minutes, distributing liquid
- Add 2 ml DMEM 10% FBS + 80 μM chloroquine and incubate 37C 2.5 hrs. 11:50 1:20 ρm.
 Aspirate off medium and replace with 1 ml 10% DMSO in DMEM 10% FBS for 2.5 min.

6. Aspirate off and wash once with 2 mls cPBS.

7. Refeed with 2 ml warm DMEM 10% FBS/dish. Incubate overnight.

Day 2

Refeed cells with 2 ml DMEM 10% FBS + 1 mM Nabutyrate pH 7.3.

Day 3

Refeed cells with 0.75 ml DMEM 10% FBS + 1 mM Nabutyrate pH 7.3 + 3 μ g/ml DiI-AcLDL for 5 hrs.

127 mb med + 27 ul IM Nabut + 300 ul Di IAc U) L (#48 0.27 mg/ml 9:20-2:20 pm

)	[XIZZ] Create subpools of I colony of B47.1.8
	Purpose:
	Transform competent (Calle) Mctolet/73 (8 Guo purples I than aliquots (2) of burg on ice 3. Add 2 pl of DNA (on TE) to aliquot DNA = pool BYT.1.8.4 TE = neg control 3. Carefully pipet up + down twice to mix 4. Neat shock 37°C 5 min. 5. Add 200 pl LB medium Shale I in 37°C 6. Plate 5 pl on 150 mm 1B Amp/let plate Results: Transfortion willed well. Circled 49 apparently 51 mile colonies to me the original forms into 3 mis 18 Aft. Also had Ana Maria Vinceanu repick of same plates. (41 indiv/150 mm plate)
)	

[X122]	cont'd
Plasmid minipre	p for cDNA library

preps:

Matrix. 7x7 rows A-F, columns 1-7

14 mini-preps Day 1

Take 200 µl culture from each tube in a row or column of 7 and put into eppendorf. Store remainder at

Spin at 12,000 x g for 30 sec in microfuge.

·3. Remove medium by aspiration, leaving bacterial pellet as dry as possible. Resuspend pellet in 100 µl ice-cold solution I by vigorous vortexing.

Add 200 µl fresh solution II (0.2 N NaOH, 1% SDS)

for 2 ml: 0.2 ml 2 N NaOH

0.1 ml 20% SDS

1.7 mls ddH20

Swirl gently until clear. Do not vortex. Leave on ice 10 min.

¹6. Add 150 µl solution III (ice-cold). Close tube and vortex gently inverted for 5 sec. Store on ice 5'. A flocculent white precipitate should form. **√**7.

Centrifuge 5', 4°C, max speed in microfuge: **78.**

Recover supe and add equal volume of phenol:chloroform. Mix by vortexing. Spin 2' in microfuge. 9.

9. Spin 2' in microfuge.
10. Add 2 volumes, ethanol r.t., vortex, let stand 2' at r.t.. Spin 5', 4°C max speed in microfuge.

11. Carefully aspirate off all liquid (want it dry) and rinse once in cold 70% EtOH. Aspirate again getting any extraneous drops. Airdry 10' minutes.

12. Redissolve in 10 μl TE plus DNAse-free RNAse (20 μg/ml). Vortex briefly. Incubate 37C, 0.5 hr. Transfer to sterile eppendorf.

X122 contid	Screen matrix
37 A 37	/

DEAE dextran transfections of COS M6 cells

1. 2.	aterials: 35 mm dishes DMEM with 10% FBS Chloroquine (40 mM in CMF PBS, sterile filtered) DNA	5. 6. 7. 8. 9.	DMSO cPBS	(10 mg/ml in CMF PBS (autoclaved))
		9.	sterile tips	

method:

o (set up cells) 6-well well Set COS M6 cells in 35 mm dishes at 300,000 cells/dish in 2 ml DMEM with 10% FBS day 0 (set up cells)

day 1 (transfect)

1. In sterile eppendorfs prepare for each dish add (insurder):

a) DNA - 500 ng/dish

b) add CMF PBS to 190 μl, vortex ·

c) 10 µl of 10 mg/ml DEAE-dextran, vortex well (7 seconds)

tube # plates DNA 1 row A planned prep from matrix 5ul 185ul 10ul + 3rd	1+
	S
2 B 185µl 10µl + 3rd 3 C	brighte-
-4 D -5 E 	aint few-
8 column(1) + bnghi	brightst test row
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
15 pcDNA1	might.
2 Pingo cella ::1.0	

2. Rinse cells with 2 mls CMF PBS (37C). Aspirate PBS.

3. Add transfection cocktail from step 1 and distribute evenly. Incubate 30 minutes, distributing liquid

4. Add 2 ml DMEM 10% FBS + 80 μ M chloroquine and incubate 37C 2.5 hrs.

5. Aspirate off medium and replace with 1 ml 10% DMSO in DMEM 10% FBS for 2.5 min. 6. Aspirate off and wash once with 2 mls cPBS.

7. Refeed with 2 ml warm DMEM 10% FBS/dish. Incubate overnight.

Day 2

Refeed cells with 2 ml DMEM 10% FBS + 1 mM Nabutyrate pH 7.3.

Refeed cells with 0.75 ml DMEM 10% FBS + 1 mM Nabutyrate pH 7.3 + 3 µg/ml DiI-AcLDL for 5 hrs.

9:20-Z:20

Results: Lots! of positives. Row 6 seemed mightest so

[XIZZ (contid)	Matri	X						
)	1,	2	3.	4	5	6	7)	
A	l l	X	3	4	15	6	<u> </u>	
	8	A	'סע		12	13	K	
R	X	X			X		X	
	18	K	FA	The state of the s	19	50	A	
						72	70	
D	72	XB	24	? 75	Zh.	2.7		
·	À	30	1	te	3	34	38	
<u>:</u>			\angle					
F	34	37	38	39	40	41	42	
	/43	- W	, 45	46	y4	, 48	49	
(G)	1	\times	100 7/10/4	۷.		neg 7/10/93	-	
		4 0 1	<u> </u>					
)———	Patec	tid b	fore,	tonc	B Am	/10x pl	ates	
	(b	efore r	esult	of the	o exp	/Tet pl	Known	.)
	Piellod	10 50	70 L	Louis	Chones	allu -	from	
	Pidled The pla	the of	#7,7	8,47,4	3,45,46	1,48,40		
	#420	lid not	- grow	but	rest d	id		
	Decid	ed to	Leep	Thing	2 81m	ple so	(5.0	V170)
	min	- Rep	ed lor	100 J #10	40, 45	', 48, 4	1 Call	AU)
	:		-	<u>!</u>		·		
	<u> </u>			i		!		
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<i>)</i>		;						
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X124 conta

1_		0,000								
	DEAE dext	ran transfection	ns of COS M6	cells						
	materials:	ichae			5. 6.	CMF PBS DEAE-dextran	(10 mg/ml	in CMF F	PBS	
61	P ADMEM	2. EDMEM with 10% FBS 3. Charoquine (40 mM in CMF PBS, sterile filtered)			7.	DMSO		(autoclaved))		
LAN	0 5 1998 12	mic (10 inivi ni oi		,	8. 9.	cPBS sterile tips				
<i>y</i> .	And Hood: lay 0 (set up					;				
(& T	And hod:	cells) lorw	æll	wel	ą					
	Set COS 3	M6 cells in 35 mm	n dishes at 300,00	00 cells/dish	in 2 m	DMEM with 10)% FBS	, 1 . Ha	[_	
	day 1 (transfe	ct) - Note: while eppendorfs provide the control of	llo were way enare for each dis	foo hearr sh add (in o	/ (used der):	Coultincon use I conf	nth) I Tuent T	75 for	18 wel	lls,
	a) DN	VA - 500 ng/dish d CMF PBS to 19	Mul vortex	(,	-than	use the	_cour	ith w	шсп
	c) 10	μl of 10 mg/ml D	EAE-dextran, vo	ortex well (7	second	ls)			<i>^</i>	
	tube # pl	ates				CMF PBS	DEAE	mg/ml - <u>dextran</u> _ کیما	results	
	159	7.1.8.4.43	<u>- 5,11</u>			185/11		1	+	
	3	; 48 (, 49)	$\longrightarrow \downarrow \longrightarrow$					¥	- + mgl	ntast
		NAI .	-0.5 nl -0.5 nl			190		ļ	- '	
7	6PX	SR3						·	1	
	8									
	10									
	12									
	13									
	15									
	16 17									
	18									
	2. Rinse	cells with 2 mls (ransfection cockta	CMF PBS (37C).	. Aspirate F	BS. eventy	Incubate 30 min	uites, distri	buting lia	nid	
	every	10 min.		•						
	4. Add 2 5. Aspin	nl DMEM 10% ate off medium an	FBS + 80 μM cr d replace with 1	noroquine a ml 10% DM	na incu ISO in 1	DMEM 10% FBS	S for 2.5 m	in.		
	6. Aspir	ate off and wash of with 2 ml warm	once with 2 mls c	PBS.						
		u wiui L IIII Walili	T. 10 O. L. TAITTIAL T.O. V. T.	ojuisii. IIIC	avaic 0	TOTHI GITTE				
	∠ay 2 Refeed ce	ells with 2 ml DM	EM 10% FBS +	1 mM Nabu	tyrate p	Н 7.3.				
	Day 3	ells with 0.75 ml I	•				ml DiI-Ac	LDL for 5	hrs.	
. :	Constant			IM	·		7 112/2		.:	
		mils .					,			
		٨٦	5	4	,851	ul MaEri	• •	1441	 ()	
		O ₁				Χ		1 m L.	7 / 4/0	CW,

B47.1.8.4.49 was chosen as cloned MACIE-/ receptor 4 was renamed pha SRITT (Note: Ana Maria Unicemean did several exp'ts to show Heat the plasmid was a single one of repeatedly gave the expected activity)